



2000 Toxics Release Inventory

TENNESSEE

Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	91,245,550	63,136,372	154,381,922
Air Emissions	70,993,275	33,135,855	104,129,130
Surface Water Discharges	2,510,426	761,543	3,271,969
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	5	0	5
On-site Land Releases to RCRA Subtitle C Landfills	538,361	0	538,361
Other On-site Land Releases	17,203,483	29,238,975	46,442,458
Off-site Releases (Transfers Off-site to Disposal)*	7,733,797	740,168	8,473,965
Total On- and Off-site Releases	98,979,347	63,876,540	162,855,887
Recycled On-site	183,480,461	18,554,149	202,034,610
Recycled Off-site	76,460,182	1,498,179	77,958,361
Energy Recovery On-site	103,468,888	33,873	103,502,761
Energy Recovery Off-site	6,322,657	1,336,986	7,659,643
Treated On-site	116,332,759	25,938,232	142,270,991
Treated Off-site**	6,746,962	8,982	6,755,944
Quantity Released On- and Off-site***	95,695,765	64,002,851	159,698,616
Total Production-related Waste Managed	588,507,674	111,373,252	699,880,926
Non-production-related Waste Managed	364,301	1,488,267	1,852,568

Transfers Off-site for Further Waste Management/Disposal

Recycling	61,549,270	1,511,475	63,060,745
Energy Recovery	6,121,212	1,337,192	7,458,404
Treatment	2,079,536	6,383	2,085,919
Publicly Owned Treatment Works (POTWs)	4,346,632	206,353	4,552,985
Metals and Metal Compounds*	54,722	250	54,972
Non-metal TRI Chemicals**	4,291,910	206,103	4,498,013
Other Off-site Transfers****	9,502,481	0	9,502,481
Transfers Off-site to Disposal (not including metals to POTWs)	8,196,218	778,676	8,974,894
Total Transfers Off-site for Further Waste Management/Disposal	91,795,349	3,840,080	95,635,429

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

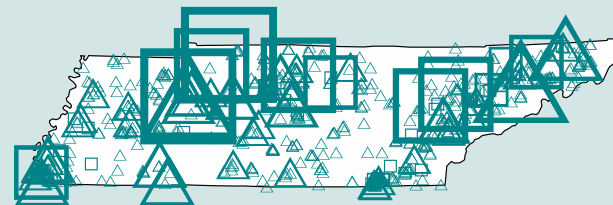
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Support Service (TRI-US):
(202) 566-0250
Fax: (202) 401-2347
tri.us@epa.gov



The largest marker in the state map represents the largest facility for on-site releases in the state of Tennessee. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	5,702,027
Square Miles	41,220
Total Facilities	694
Total Forms	2,587
Form As	391

	Original Industry	New Industry	Total
National Rank for Total On- and Off-site Releases*			
Rank	7	16	9
Pounds	98,979,347	63,876,540	162,855,887
National Rank for Total On-site Releases**			
Rank	5	15	8
Pounds	91,245,550	63,136,372	154,381,922
National Rank for Total Releases within State***			
Rank	8	16	11
Pounds	97,772,330	63,877,215	161,649,546
National Rank for Production-related Waste Managed			
Rank	11	15	14
Pounds	588,507,674	111,373,252	699,880,926

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



2000 Toxics Release Inventory

TENNESSEE

On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	29,923,288	755	0	0	0	29,924,043	7,028	0	0
—	Zinc compounds	394,313	88,451	5	20,751,340	2,151,931	23,386,040	74,402	1,704,459	448,972
75-15-0	Carbon disulfide	19,911,155	914	0	2,500	0	19,914,569	250	0	0
—	Manganese compounds	52,171	164,349	0	11,234,419	552,258	12,003,197	64,927	467,806	88,852
67-56-1	Methanol	7,575,115	43,155	0	2,252	1,602	7,622,124	0	0	1,602

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Polycyclic aromatic compounds	22,387.71	117.74	0.00	30,348.56	2,546.10	55,400.11	0.00	255.30	2,291.40
191-24-2	Benzo(g,h,i)perylene	2,317.30	11.40	0.00	3,395.11	73.31	5,797.12	0.00	22.21	51.10
—	Mercury compounds	3,146.29	86.67	0.00	2,183.53	140.19	5,556.68	62.53	132.00	9.69
7439-97-6	Mercury	1,675.50	13.00	0.00	1,087.00	1,603.70	4,379.20	307.00	186.20	1,417.50
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	1.00	0.00	1,769.00	2,524.22	4,294.22	0.00	0.00	2,524.22
118-74-1	Hexachlorobenzene	48.00	160.00	0.00	1,820.00	0.00	2,028.00	0.00	0.00	0.00
608-93-5	Pentachlorobenzene	0.00	117.00	0.00	1,000.00	0.00	1,117.00	0.00	0.00	0.00
79-94-7	Tetrabromobisphenol A	40.40	0.00	0.00	0.00	0.00	40.40	0.00	0.00	0.00
29082-74-4	Octachlorostyrene	0.00	0.00	0.00	16.00	0.00	16.00	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.11	0.04	0.00	13.45	0.58	14.17	0.00	0.29	0.28
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>49.616</i>	<i>16.097</i>	<i>0.000</i>	<i>6,098.276</i>	<i>262.855</i>	<i>6,426.844</i>	<i>0.056</i>	<i>133.715</i>	<i>129.140</i>
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

*** No reports were submitted for these chemicals.



2000 Toxics Release Inventory

TENNESSEE

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Lenzing Fibers Corp., Lowland, Hamblen	17,345,982	16,591	0	0	0	345,023	17,707,596	0	0
U.S. TVA Johnsonville Fossil Plant, New Johnsonville, Humphreys	14,019,252	42,379	0	0	0	2,063,378	16,125,008	20,732	7,251
Pasminco Zinc Inc., Clarksville, Montgomery	182,483	78,747	0	0	0	15,262,888	15,524,118	0	248
Du Pont Johnsonville Plant, New Johnsonville, Humphreys	1,624,408	55,253	0	0	0	10,882,401	12,562,062	0	0
U.S. TVA Kingston Fossil Plant, Harriman, Roane	5,598,000	58,007	0	0	0	1,739,992	7,395,999	0	0
U.S. TVA Gallatin Fossil Plant, Gallatin, Sumner	4,943,700	27,907	0	0	0	1,568,161	6,539,768	3,250	0
Eastman Chemical Co. Tennessee Ops., Kingsport, Sullivan	4,924,858	388,138	0	0	133,310	840,520	6,286,826	0	5,300
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	2,370,807	487,405	0	0	0	1,344,543	4,202,755	2,520	0
U.S. TVA Bull Run Fossil Plant, Clinton, Anderson	3,966,276	18,811	0	0	0	214,020	4,199,107	702,598	0
Pasminco Zinc Inc. Gordonsville Mine, Gordonsville, Smith	4,203	2,038	0	0	0	3,622,014	3,628,255	0	0

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
UCAR Carbon Co. Inc., Columbia, Maury	20,503.73	111.75	0.00	0.00	0.00	33,243.23	53,858.71	0.00	0.00
Du Pont Johnsonville Plant, New Johnsonville, Humphreys	0.00	293.03	0.00	0.00	0.00	3,216.42	3,509.45	0.00	0.00
Olin Corp., Charleston, Bradley	1,414.00	7.00	0.00	0.00	764.00	0.00	2,185.00	0.00	0.00
UCAR Carbon Co. Inc., Lawrenceburg, Lawrence	1,655.00	0.00	0.00	0.00	0.00	403.30	2,058.30	0.00	0.00
Ameristeel, Jackson, Madison	1.00	0.00	0.00	0.00	0.00	1,599.00	1,600.00	0.00	0.50
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	797.02	5.00	0.00	0.00	0.00	243.10	1,045.12	0.00	0.00
Eastman Chemical Co. Tennessee Ops., Kingsport, Sullivan	178.01	12.00	0.00	0.00	18.00	620.02	828.03	0.00	0.00
U.S. TVA Kingston Fossil Plant, Harriman, Roane	540.01	7.00	0.00	0.00	0.00	192.40	739.41	0.00	0.00
U.S. TVA Johnsonville Fossil Plant, New Johnsonville, Humphreys	486.71	24.00	0.00	0.00	0.00	177.60	688.31	1.70	0.70
UCAR Carbon Co. Inc., Clarksville, Montgomery	631.62	0.02	0.00	0.00	0.00	0.11	631.75	0.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



2000 Toxics Release Inventory

TENNESSEE

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Lenzing Fibers Corp., Lowland, Hamblen	7,140,000	0	0	0	357,700	0	17,704,373	25,202,073	0
U.S. TVA Johnsonville Fossil Plant, New Johnsonville, Humphreys	0	0	0	0	1,597,000	0	16,127,716	17,724,716	0
Pasminco Zinc Inc., Clarksville, Montgomery	18,434,000	0	0	0	0	0	15,478,570	33,912,570	0
Du Pont Johnsonville Plant, New Johnsonville, Humphreys	0	0	0	0	4,400,000	0	12,562,004	16,962,004	58
U.S. TVA Kingston Fossil Plant, Harriman, Roane	0	0	0	0	1,454,000	0	7,378,756	8,832,756	0
U.S. TVA Gallatin Fossil Plant, Gallatin, Sumner	0	0	0	0	1,124,000	0	6,530,615	7,654,615	0
Eastman Chemical Co. Tennessee Ops., Kingsport, Sullivan	2,600	80,007	4,003,146	1,032,000	26,255,594	6,160	6,277,651	37,657,158	0
U.S. TVA Bull Run Fossil Plant, Clinton, Anderson	0	0	0	0	644,000	0	4,901,501	5,545,501	0
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	0	0	0	0	18,279,000	0	4,193,064	22,472,064	0
Pasminco Zinc Inc. Gordonsville Mine, Gordonsville, Smith	0	0	0	0	0	0	3,628,138	3,628,138	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
UCAR Carbon Co. Inc., Columbia, Maury	0	11,061	3,065,396	0	540,952	0	53,889	3,671,298	0
Du Pont Johnsonville Plant, New Johnsonville, Humphreys	0	0	0	0	0	0	3,509	3,509	0
Williams Refining & Marketing L.L.C., Memphis, Shelby	0	0	0	0	0	2,351	2,653	5,004	0
U.S. DOE Oak Ridge Y-12 Natl. Security Complex, Oak Ridge, Anderson	0	0	0	0	5	0	2,418	2,423	52
Olin Corp., Charleston, Bradley	16,497	0	0	0	0	0	2,185	18,682	0
UCAR Carbon Co. Inc., Lawrenceburg, Lawrence	0	0	0	0	15,601	0	2,058	17,659	0
Ameristeel, Jackson, Madison	105	0	0	0	0	0	1,562	1,667	0
U.S. TVA Cumberland Fossil Plant, Cumberland City, Stewart	0	0	0	0	0	0	1,044	1,044	0
Eastman Chemical Co. Tennessee Ops., Kingsport, Sullivan	0	7	0	0	0	0	828	835	0
U.S. TVA Kingston Fossil Plant, Harriman, Roane	0	0	0	0	0	0	736	736	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.